

Institutional Application Program Interface (API)

The URL generally has the form /api/<resource>/<action>, which could either retrieve a result or perform some action.

When retrieving a result, the API expects a HTTP GET method, and when performing an action it expects a HTTP POST.

The resource /api/institutional is an API specifically designed for institutional clients.

Successful results are returned as HTTP 200 or 201 responses, with the body containing JSON data. Defined error responses will be in the HTTP 400 range, and undefined server errors in the HTTP 500 range.

Error responses contain the following JSON format:

```
{
  "errors" : [
    {
      "description" : "<error description>",
      "code" : "<error code>",
      "index" : <integer>
    }
  ]
}
```

where the error description is a detailed description of the error, and the error code is a short reference to the error.

Index is an optional error field and is present when the request data is an array of objects. It indicates the position of the offending object in the request array.

All date parameters must be in ISO format: YYYY-MM-DD

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1 Products

GET: </api/institutional/products>

Example JSON response:

```
"data": [{"Unique id": 609157888,  
          "Name": "Discretionary"},  
         {"Unique id": 896356096,  
          "Name": "Retirement annuity"}]
```

2 Contracts

This call retrieves all client contracts for the specified product.

GET: `/api/institutional/contracts?product={productUniqueId}`

Example JSON response:

```
"data" : [{"Unique Id" : 123456,  
  "Contract number" : "C23456",  
  "Owner unique id" : 3456789,  
  "Owner" : "John Doe",  
  "Owner identification number" : "6611235090089",  
  "Preferred currency" : "ZAR"}]
```

Errors:

HTTP response	Code	Description
400	NotFound	Product not found

3 Holdings for a specific Product

Get holdings of all client accounts in the specified product for a specific date.

Note that the **productUniqueId** that needs to be provided in the request must be obtained by first calling the Get Products call, which returns all products with their associated unique ID's, and that will be used in this call's request.

GET: `/api/institutional/holdings?product={productUniqueId}&date={date}`

Example JSON response:

```
"data" : [
  {
    "Date": "2005-05-15",
    "Exchange Rate from Fund Currency to Preferred Contract Currency": "1.000000",
    "Instrument id": 359110656,
    "Contract number": "POL3",
    "Contract id": 166038784,
    "Market Value in Fund Currency": {"type": "Money", "currency": "ZAR", "value": "2000.00"},
    "Market Value in System Currency": {"type": "Money", "currency": "ZAR", "value": "2000.00"},
    "Instrument code": "COR01",
    "Price date": "2005-05-13",
    "Market Value in Preferred Contract Currency": {"type": "Money", "currency": "ZAR", "value": "2000.00"},
    "Accrued fees": {"type": "Money", "currency": "ZAR", "value": "0.04"},
    "Accrued interest": {"type": "Money", "currency": "ZAR", "value": "0.00"},
    "Latest available price": {"type": "Price", "currency": "ZAR", "Instrument id": 359110656, "value": "1.0000"},
    "Base Cost": null,
    "Weighted Average Base Cost": {
      "type": "Price",
      "Instrument id": 123456789,
      "currency": "ZAR",
      "value": 20.0000
    },
    "Units": {"type": "Unit", "Instrument id": 359110656, "value": "2000.0000"},
    "Unrealised gains": {"currency": "ZAR", "type": "Money", "value": "123.45"},
    "Client account id": 1004754176,
    "Instrument name": "Coronation Balanced Fund"}
  ]
}
```

Errors:

HTTP response	Code	Description
400	MalformedRequest	Invalid date
404	NotFound	Could not find product

4 Get instrument instructions

Get a list of instrument instructions created in the specified date range.

GET:

/api/institutional/instrumentInstructions?from_date={fromDate}&to_date={toDate}

Example JSON response:

```
"data" : [{"Unique id" : 123456,  
  "Instrument code" : "AGBF",  
  "Status" : "Created",  
  "Type" : "Buy"}]
```

Errors:

HTTP response	Code	Description
400	MalformedRequest	Invalid date

5 Get instrument instruction details

Get details of an instrument instruction, which will include the From and To Instrument details.

Note that the **uniqueId** required in the request payload must be obtained by first calling the Get Instrument Instructions call, which returns all instrument unique ID's and this will be used in the below call to fetch more detail relating to that instrument.

GET: `/api/institutional/instrumentInstructions/{uniqueId}`

Example JSON response:

```
{
  "Unique id" : 123456,
  "Status" : "Confirmed",
  "Type" : "InternalSwitch-Units",
  "Instrument code": "COR01",
  "Instrument unique id": 865002496,
  "Instrument name" : "Coronation Balanced Fund",
    "To instrument code": "COREQ",
    "To instrument unique id": 748125184,
    "To instrument name": "Coronation Equity Fund",
  "Trading currency" : "ZAR",
  "Transaction date" : "2024-06-02",
  "Date confirmed" : "2024-06-03T14:15:16+02:00",
  "Date created" : "2024-06-02T14:15:16+02:00",
  "Price": {"type": "Price", "currency": "ZAR", "Instrument id": 865002496, "value": "16.0000"},
  "Units" : {"type": "Unit", "Instrument id": 865002496, "value": "200.0000"},
  "Amount": {"type": "Money", "currency": "ZAR", "value": "3200.00"},
  "Allocations" : [{
    "Contract unique id" : 345678,
    "From units" : {"type": "Unit", "Instrument id": 865002496, "value": "-200.0000"},
    "To units": {"type": "Unit", "Instrument id": 748125184, "value": "320.0000"},
    "Instruction type" : "Once Off Switch",
    "Instruction purpose" : ""
  }]
}
```

Errors:

HTTP response	Code	Description
404	NotFound	Could not find instrument instruction

6 Update entity compliance requirement

Set a specific compliance requirement for an entity to be compliant or not.

POST: /api/institutional/entityComplianceRequirements/{entityUniqueId}

Example JSON request:

```
{
  "Requirement name" : "Overall Compliant",
  "Is compliant" : false,
  "Outstanding" : true,
  "Reason" : "ID unclear"
}
```

A response of 200 means that the entity's compliance requirement has been updated.

Errors:

HTTP response	Code	Description
404	NotFound	Could not find entity
404	ComplianceRequirementNotFound	Could not find requirement
404	OutstandingReasonNotFound	Reason not defined on the requirement type

7 Create Switch

Create a switch instruction

Refer to: [Instructions Application Program Interface \(API\) Master](#) : Create Switch

as this api is a pass through to that api

POST: `/api/institutional/switches/{contractNumber}`

Example JSON request:

Example request to switch using amount for sell:

```
{
  "purpose" : "optional instruction purpose"
  "sellUsing" : "amount"
  sell : [
    {
      "instrument" : "AGNBFB" ,
      "amount" : 500 ,
    },
    {
      "instrument" : "AGNFSA" ,
      "amount" : 200.01 ,
    }
  ]
  buy : [
    {
      "instrument" : "AGNBFD" ,
      "percentage" : 40 ,
    },
    {
      "instrument" : "AGNSFD" ,
      "percentage" : 60 ,
    },
  ]
}
```

JSON success response

HTTP 200

```
{  
  "instructionId" : 27647488,  
  "instructionUrl" : "URL to the fetch the instruction"  
}
```

A response of 200 means that the switch has been created.

Errors:

Refer to: [☰ Instructions Application Program Interface \(API\) Master : Create Switch](#)

8 Get prices for a list of instruments

Get the prices for the specified instruments for a specific date.

Example request:

GET:

/api/institutional/prices?instrumentCodes=COR01,COREQ,AGSF&date=2005-05-15

JSON response:

```
{
  "data": [
    {
      "lastChangedUser": "fadmin (finworks admin)",
      "fundCode": "COR01",
      "price": {
        "type": "Price",
        "currency": "ZAR",
        "Instrument id": 1055331328,
        "value": "1.1000"
      },
      "date": "2005-05-15",
      "lastChangedDateAndTime": "2005-05-13T14:15:16+02:00",
      "lastChangedUser": null,
      "fundCode": "COREQ",
      "price": null,
      "date": "2005-05-15",
      "lastChangedDateAndTime": null,
      "lastChangedUser": "fadmin (finworks admin)",
      "fundCode": "AGSF",
      "price": {
        "type": "Price",
        "currency": "ZAR",
        "Instrument id": 665433600,
        "value": "1.2000"
      },
      "date": "2005-05-15",
      "lastChangedDateAndTime": "2005-05-13T14:15:16+02:00"
    }
  ],
  "size": 3
}
```

Errors:

HTTP response	Code	Description
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404	InstrumentNotFound	No instrument with code: ABC
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9 Holdings for a list of instruments

Get holdings of all client accounts in the specified instruments for a specific date.

Example request:

GET:/api/institutional/holdings?instrumentCodes=AGNBFB,AGNSFA&date=2005-05-15

JSON response:

```
"data": [
{
  "Contract id": xxx,
  "Instrument account number": "",
  "Instrument id": 70118913,
  "Price date": "2005-05-15",
  "Latest available price": null,
  "Units": {
    "type": "Unit",
    "Instrument id": 70118913,
    "value": "0.0000"
  },
  "Weighted Average Base Cost": null,
  "Contract number": "xxx",
  "Unrealised gains": {
    "type": "Money",
    "currency": "NAD",
    "value": "0.00"
  },
  "Market Value in Preferred Contract Currency": {
    "type": "Money",
    "currency": "NAD",
    "value": "0.00"
  },
  "Base Cost": null,
```

```
"Market Value in System Currency": {
  "type": "Money",
  "currency": "NAD",
  "value": "0.00"
},
"Instrument name": "Allan Gray Namibia Balanced Fund (B)",
"Accrued interest": {
  "type": "Money",
  "currency": "NAD",
  "value": "0.00"
},
>Date": "2005-05-15",
"Instrument code": "AGNBFB",
"Exchange Rate from Fund Currency to Preferred Contract Currency": "1.000000",
"Client account id": xxx,
"Market Value in Fund Currency": {
  "type": "Money",
  "currency": "NAD",
  "value": "0.00"
},
"Accrued fees": {
  "type": "Money",
  "currency": "NAD",
  "value": "0.00"
}
},
{
  "Contract id": xxx,
  "Instrument account number": "",
  "Instrument id": 411678465,
  "Price date": "2005-05-15",
  "Latest available price": null,
  "Units": {
    "type": "Unit",
```

```
"Instrument id": 411678465,
"value": "0.0000"
},
"Weighted Average Base Cost": null,
"Contract number": "xxx",
"Unrealised gains": {
  "type": "Money",
  "currency": "NAD",
  "value": "0.00"
},
"Market Value in Preferred Contract Currency": {
  "type": "Money",
  "currency": "NAD",
  "value": "0.00"
},
"Base Cost": null,
"Market Value in System Currency": {
  "type": "Money",
  "currency": "NAD",
  "value": "0.00"
},
"Instrument name": "Allan Gray Namibia Stable Fund (A)",
"Accrued interest": {
  "type": "Money",
  "currency": "NAD",
  "value": "0.00"
},
"Date": "2005-05-15",
"Instrument code": "AGNSFA",
"Exchange Rate from Fund Currency to Preferred Contract Currency": "1.000000",
"Client account id": xxx,
"Market Value in Fund Currency": {
  "type": "Money",
  "currency": "NAD",
```

```
        "value": "0.00"
      },
      "Accrued fees": {
        "type": "Money",
        "currency": "NAD",
        "value": "0.00"
      }
    }
  }
]
```

Errors:

HTTP response	Code	Description
404	InstrumentNotFound	No instrument with code: ABC

-

10 Has Instrument Instruction for a list of instruments

Fetch whether instrument(s) has any instrument instructions, client instructions and whether instrument instruction has been allocated.

Example request:

GET: /api/institutional/hasinstructions?instrumentCodes=COR01,COREQ,AGSF

JSON response:

```
{
  "data": [
    {
      "status": {
        "hasClientInstructions": true,
        "isAllocated": true,
        "hasInstrumentInstruction": true
      },
      "instrumentCode": "COR01"
    },
    {
      "status": {
        "hasClientInstructions": false,
        "isAllocated": false,
        "hasInstrumentInstruction": false
      },
      "instrumentCode": "COREQ"
    },
    {
      "status": {
        "hasClientInstructions": true,
        "isAllocated": false,
        "hasInstrumentInstruction": false
      },
      "instrumentCode": "AGSF"
    }
  ]
}
```

hasClientInstructions = true/false = are there client instructions with commencement date < today, in progress for the instrument (submitted, authorised or rejected). Also considers any instructions where instrument instruction was confirmed today as still active.

hasInstrumentInstruction = true/false = are there instrument instructions in progress for the instrument;

isAllocated: instrument instruction status is isAllocated (true/false) and confirmation date is today

Errors:

HTTP response	Code	Description
404	InstrumentNotFound	No instrument with code: ABC

11 Get instruction details

This call is to fetch various instruction details, using a unique Instruction ID. This ID can be obtained by using the Accounts API, GET: /api/accounts/{accountNumber}/instructions or

GET: /api/accounts/{accountNumber}/instructions/active

Then you can get the ID of the appropriate instruction and use it in this call to get more detail regarding the instruction.

GET: /api/institutional/instructions/{uniqueId}

where {uniqueId} must be replaced with the Instruction ID as explained above.

Example request:

GET: /api/institutional/instructions/7721685761

JSON response:

```
{
  "data": [
    {
      "Instruction type": "lump sum",
      "Instrument id": 70118913,
      "Type": "Buy",
      "Units": {
        "type": "Unit",
        "Instrument id": 70118913,
        "value": "1.6665"
      },
      "Instrument code": "QASXXX",
      "Price": {
        "type": "Price",
        "currency": "NAD",
        "Instrument id": 70118913,
        "value": "3000.9572"
      }
    }
  ]
}
```

```
},
"Processing date": "2025-08-28",
"Investor name": "Details XXXXX",
"Contract number": "QASXXX",
"Instruction purpose": null,
"Unique Id": "7721685761",
"Transaction description": "Investment: N$ 10,000.00 AGNUT00328",
"Transaction date": "2025-08-27",
"Contribution status": "Allocated",
"Amount": {
  "type": "Money",
  "currency": "NAD",
  "value": "5001.10"
},
"Instruction status": "Completed",
"Percentage": "50.00%",
"Instrument name": "Allan Gray Namibia Balanced Fund (B)",
"Unit balance": {
  "type": "Unit",
  "Instrument id": "70118913",
  "value": "1.6665"
}
},
{
  "Instruction type": "lump sum",
  "Instrument id": "411678465",
  "Type": "Buy",
  "Units": {
    "type": "Unit",
    "Instrument id": "411678465",
    "value": "3.3631"
  },
  "Instrument code": "QASXXX",
```

```

"Price": {
  "type": "Price",
  "currency": "NAD",
  "Instrument id": 411678465,
  "value": "1487.0341"
},
"Processing date": "2025-08-28",
"Investor name": "Details XXXXX",
"Contract number": "QASXXX",
"Instruction purpose": null,
"Unique Id": "7721685761",
"Transaction description": "Investment: N$ 10,000.00 AGNUT00328",
"Transaction date": "2025-08-27",
"Contribution status": "Allocated",
"Amount": {
  "type": "Money",
  "currency": "NAD",
  "value": "5001.10"
},
"Instruction status": "Completed",
"Percentage": "50.00%",
"Instrument name": "Allan Gray Namibia Stable Fund (A)",
"Unit balance": {
  "type": "Unit",
  "Instrument id": 411678465,
  "value": "3.3631"
} } ]}

```

Errors:

HTTP response	Code	Description
404	NotFound	Invalid uniqueId